Macintosh Server G4 with AppleShare IP

The Macintosh Server G4 delivers excellent server performance
for everything from email and print sharing to Internet and intranet
services. With AppleShare IP, it's remarkably easy to set up and
surprisingly easy to administer. The Macintosh Server G4 offers an
unparalleled combination of power and ease of use in one incredible
server—all at a very affordable price.

Macintosh Server G4 with AppleShare IP

Features

High-performance hardware and software
- 533-megahertz PowerPC G4 processor featuring Velocity Engine advanced vector processing technology
- 1 megabyte of backside level 2 cache
- Built-in 10/100/1000BASE-T Ethernet networking
- One 60-gigabyte Ultra ATA/66 hard disk drive[1]

Easy installation, setup, and use
- Runs on the easiest-to-use operating system available: Mac OS 9.1
- Includes preinstalled AppleShare IP software for fast file transfers
- Comes with an advanced web-based tool for easy server management—both locally and remotely
- Includes Macintosh Manager and Network Assistant software for powerful help desk and systems management capability

The best server you can buy for any community of Macintosh users today, the Macintosh Server G4 is fast, scalable, and still the easiest server to set up and administer. Using the PowerPC G4 with Velocity Engine, it provides a powerful yet simple way to communicate and exchange information. And with AppleShare IP software, users and groups can be shared across multiple servers, allowing one or more Macintosh Server G4 systems to grow as your organization's needs grow and evolve.

At the heart of the Macintosh Server G4 is the high-speed PowerPC G4 with Velocity Engine. Using true independent vector processing, the PowerPC G4 with Velocity Engine brings supercomputer performance to server systems for the first time ever. With its advanced 128-bit vector processing unit and 162 instructions dedicated to handling vector and multimedia data, the PowerPC G4 processor enables the Macintosh Server G4 to manage even the heaviest network loads at breathtakingly efficient speeds. System performance is further enhanced through the use of a superfast bus and 1 megabyte of backside level 2 cache.

Even with this kind of power and performance, the Macintosh Server G4 is still a remarkably easy-to-use and easy-to-administer system that gives you the freedom and flexibility to concentrate on more important tasks. And thanks to high-performance Gigabit Ethernet, design and publishing professionals will appreciate the speed with which they can exchange huge graphics and video files.

The AppleShare IP software that comes with the Macintosh Server G4 features integrated file, print, mail, and web services. It's faster, more secure, and more versatile than ever. And its native support for both Macintosh and Windows clients means that all your users can take advantage of its services seamlessly. Network Assistant software provides the tools both educators and business professionals need to assist users, check system profiles, reconfigure system settings, and distribute applications from a central location, over TCP/IP and AppleTalk networks. In addition, Macintosh Management Server software gives users secure access to their personal desktops, files, and applications from any Mac on the network.

The Macintosh Server G4 offers a range of powerful network services and administrative tools. And with plenty of RAM, high-capacity hard disk drives, FireWire ports for connecting peripherals, and preinstalled software, it's ready to work right out of the box.

Technical Specifications

Processor
- 533-MHz PowerPC G4 processor
- Velocity Engine vector processing unit with 162 integrated Single Instruction Multiple Data (SIMD) instructions
- Full 128-bit internal memory data paths
- Powerful floating-point unit supporting single-cycle, double-precision calculations
- Data stream prefetching operations supporting four simultaneous 32-bit data streams
- 1MB backside level 2 cache
- 133-MHz system bus supporting over 1-GBps data throughput

Memory
- 256MB of PC133 SDRAM
- Three DIMM slots support up to 1.5GB of PC133 SDRAM using the following[2]:
— 32MB, 64MB, or 128MB DIMMs (64-bit-wide, 64-Mbit technology)
— 128MB or 256MB DIMMs (64-bit-wide, 128-Mbit technology)
— 512MB DIMMs (64-bit-wide, 256-Mbit technology)

Storage
- 60GB 7200-rpm Ultra ATA/66 hard disk drive[1]
- CD-ROM drive
- Three 3.5-inch hard disk drive expansion bays
— One ATA drive preinstalled in standard configurations
— Support for up to two internal ATA drives
— Support for up to three internal SCSI drives
— Support for a combination of internal SCSI and ATA drives (up to one ATA and two SCSI)
- Optional Zip 250 drive

Graphics support
- ATI RAGE 128 Pro graphics card with 16MB of SDRAM graphics memory installed in a dedicated AGP 4X graphics slot
- Support for up to 1920-by-1200-pixel resolution at 32 bits per pixel (millions of colors)
- Apple Display Connector (ADC)
- 15-pin mini D-Sub VGA connector

Communications
- 10/100/1000BASE-T Ethernet connector (RJ-45)
- Optional 11-Mbps AirPort Card; IEEE 802.11 DSSS compliant[3]
- Optional AirPort Base Station containing 56K modem and 10BASE-T Ethernet port[3]

Peripheral connections
- Two 400-Mbps FireWire ports[4]
- Two USB ports (12 Mbps each)

Expansion
- Four full-length 64-bit, 33-MHz PCI slots
- One AGP 4X slot with graphics card installed

Keyboard and mouse
- Apple Pro Keyboard
- Apple Pro Mouse

Audio
- Apple speaker minijack (16 bit) for connection to Apple Pro Speakers
- Headphone jack (16 bit)
- Built-in speaker

Electrical requirements and agency approvals
- Line voltage: 115V AC (90V to 132V AC) or 230V AC (180V to 264V AC)
- Frequency: 47 to 63 Hz, single phase
- Maximum continuous power: 338W with monitor attached
- U.S. EPA ENERGY STAR compliant

Environmental requirements
- Operating temperature: 50° to 95° F (10° to 35° C)
- Storage temperature: −40° to 116° F (−40° to 47° C)
- Relative humidity: 5% to 95% noncondensing
- Altitude: 0 to 10,000 feet

Size and weight
- Height: 17.0 inches (43.2 cm)
- Width: 8.9 inches (22.6 cm)
- Depth: 18.4 inches (46.7 cm)
- Weight: 30 pounds (13.6 kg)[5]

Configurations

Macintosh Server G4

Order no.	M8182LL/A
Processor	533-MHz PowerPC G4
Backside level 2 cache	1MB
Memory (PC133 SDRAM)	256MB
Hard disk drive	60GB (7200 rpm) Ultra ATA/66[1]
Graphics support	ATI RAGE 128 Pro
Optical drive	CD-ROM
FireWire	Two 400-Mbps ports[4]
USB	Two ports (12 Mbps each)
Ethernet	10/100/1000BASE-T
Wireless networking[3]	AirPort ready

All models also include Apple Pro Keyboard; Apple Pro Mouse; Mac OS 9.1, QuickTime, AppleShare IP 6.3.3 (500-client license), Network Assistant, Macintosh Manager, Macintosh Management Server, Microsoft Internet Explorer, Netscape Communicator; complete setup, learning, and reference documentation; and limited warranty.

Product contains electronic documentation. Backup copy of software is provided on CD-ROM.

Build-to-Order Options

Order a custom-configured server from your authorized Apple reseller or the online Apple Store. Build-to-order options can include the following; however, availability can vary. For up-to-date information, visit www.apple.com/store or call 800-MY-APPLE..

- **Memory:** 256MB, 384MB, 512MB, 768MB, 1GB, 1.5GB[2]
- **Hard disk drives[1]:** 60GB Ultra ATA/66 (7200 rpm), 36GB Ultra160 SCSI (10,000 rpm)[6], 72GB Ultra160 SCSI (10,000 rpm)[6]
- **Other options:** SCSI PCI card, Zip 250 drive, AirPort Card, AirPort Base Station

For More Information

For more information about this product, or to find out where to buy Apple products, visit www.apple.com/hardware on the World Wide Web or call 800-538-9696. To purchase products from the Apple Store, go to www.apple.com/store or call 800-MY-APPLE.

Visit the Macintosh Products Guide at www.apple.com/guide for the latest information on more than 18,000 hardware and software products for your new computer.

Apple offers iTools, a free suite of Internet services, to help you get more out of using the web. Visit www.apple.com to sign up.

Your Macintosh Server G4 comes with 90 days of telephone support and a one-year limited warranty. Purchase the AppleCare Protection Plan and get three years of service and support. Only the AppleCare Protection Plan provides you with direct telephone support from Apple technical experts and the assurance that repairs will be handled by Apple-certified technicians using genuine Apple parts. For more information, visit www.apple.com/support/products or call 800-823-2775.

Apple Displays

- Apple Studio Display (17-inch CRT, 16-inch viewable area); order no. M7770ZM/A
- Apple Studio Display (15-inch flat panel); order no. M7928ZM/A
- Apple Cinema Display (22-inch flat panel); order no. M8058ZM/A

1 For hard drive capacity measurements, 1GB = 1 billion bytes; actual formatted capacity less.

2 999MB maximum per application in Mac OS 9.

3 Wireless Internet access requires AirPort Card, AirPort Base Station, and Internet access (fees may apply). Some ISPs are not currently compatible with AirPort, including America Online. Range may vary with site conditions.

4 Actual rates will vary.

5 Weight varies by configuration and manufacturing process.

6 SoftRAID included with purchase of multiple Ultra160 SCSI hard disk drives.

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